

Attorney Docket No. 43890-307

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **PACKAGING SUBSTRATE AND METHOD OF MANUFACTURING THE SAME**, the specification of which

(check one) is attached hereto.

 x was filed on 13 March 1998 as
United States Application No. 09/041,666

 PCT International Patent Application Number
filed
and was amended on (if applicable).

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I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

9-060656
(Number)

Japan
(Country)

14 March 1997
(Day/Month/Year Filed)

 X Yes No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Appln. Serial No.)

(Filing Date)

(Status-patented, pending, abandoned)

(Appln. Serial No.)

(Filing Date)

(Status-patented, pending, abandoned)

I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith: Raphael V. Lupo (Reg. No. 28,363); Jack Q. Lever, Jr. (Reg. No. 28,149); Kenneth L. Cage (Reg. No. 26,151); Michael E. Fogarty (Reg. No. 36,139); Brian E. Ferguson (Reg. No. 36,801); Robert W. Zelnick (Reg. No. 36,976); Edward E. Kubasiewicz (Reg. No. 30,020); Paul Devinsky (Reg. No. 28,553); and Wilhem F. Gadiano (Reg. No. 37,136); Laura A. Donnelly (Reg. No. 38,435); Craig L. Plastrik (Reg. No. 41,254), David A. Spenard (Reg. No. 37,449)

Please address all correspondence and telephone calls to:

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Telephone: 202-756-8000



020277

PATENT AND TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor **Noboru MOHRI**

Inventor's signature Noboru Mohri Date Jan 8 '98
Residence 2-45-2, Amagahara-cho, Katano, Osaka 576-0034, JAPAN
Post Office Address SAME AS ABOVE Citizenship Japanese

Full name of second inventor **Hayami MATSUNAGA**

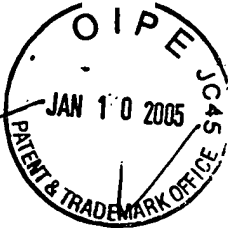
Inventor's signature Hayami Matsunaga Date Jan 1 '98
Residence 53-11, Kitamachi, Nasuzukuri, Hirakata, Osaka 573-0083 JAPAN
Post Office Address SAME AS ABOVE Citizenship Japanese

Full name of third inventor **Masaaki HAYAMA**

Inventor's signature Masaaki Hayama Date 29 May 1998
Residence 229-2, Aono-cho, Nara-shi, Nara 631-0841 JAPAN
Post Office Address SAME AS ABOVE Citizenship Japanese

Full name of fourth inventor **Tomitarou MURAKAMI**

Inventor's signature Tomitarou Murakami Date 1 June 1998
Residence 2-11-55-209, Ikeda, Neyagawa, Osaka 572-0039 JAPAN
Post Office Address SAME AS ABOVE Citizenship Japanese



SEPTEMBER 22, 1998



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

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McDermott, Will & Emery

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/22/1998

REEL/FRAME: 9301/0644
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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MOHRI, NOBORU

DOC DATE: 06/08/1998

ASSIGNOR:

MATSUNAGA, HAYAMI

DOC DATE: 06/01/1998

ASSIGNOR:

HAYAMA, MASAOKI

DOC DATE: 05/29/1998

ASSIGNOR:

MURAKAMI, TOMITAROU

DOC DATE: 06/04/1998

ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL
CO., LTD.
1006, OAZA KADOMA
KADOMA-SHI, OSAKA 571, JAPAN

SERIAL NUMBER: 09041666
PATENT NUMBER:

FILING DATE: 03/13/1998
ISSUE DATE:

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AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT
SEPTEMBER 22, 1998

TO: OFFICE OF FINANCE
FROM: ASSIGNMENT DIVISION
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CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED
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THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 13-0203
PROPERTY NUMBER: 09041666

RECORDING FEES:

FEE CODE: 581 AMOUNT: 40

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT
THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

PEARLENE FOSTER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

TRADEMARK SERVICE FEES:	FEE CODE:
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RECORDATION SECOND AND SUBSEQUENT MARK IN SAME DOCUMENT	482
LABOR CHARGES FOR SERVICES PER HOURS OR FRACTION THEREOF	484
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, 581

Attorney Docket No.: 43890-307

ASSIGNMENT

WHEREAS, Noboru MOHRI, Hayami MATSUNAGA, Masaaki HAYAMA, and Tomitarou MURAKAMI, hereinafter called the "Assignor," has invented a new and useful invention entitled PACKAGING SUBSTRATE AND METHOD OF MANUFACTURING THE SAME, for which he has:

- (a) filed an application for United States Letters Patent on March 13, 1998 as (Serial No. 09/041,666); or
- (b) executed an application for United States Letters Patent on _____; and

WHEREAS, Matsushita Electric Industrial Co., Ltd., a corporation organized and existing under the laws of Japan, having a place of business at: 1006, Oaza Kadoma, Kadoma-shi, Osaka 571 JAPAN, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignor from the said Assignee is hereby acknowledged, the said Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignor does hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignor has hereunto set his hands and affixed his seal.

Date: Jun. 8. '98
(Seal)

Noboru Mohri
Noboru MOHRI

WITNESSED:

Date: Jun 9. 1998

Masao Narata

Date: Jun 9. 1998

yuji yagi

Date: Jun. 1. '98
(Seal)

Hayami Matsunaga
Hayami MATSUNAGA

WITNESSED:

Date: Jun 9. 1998

Masao Narata

Date: Jun 9. 1998

yuji yagi

Date: May 29, 1998
(Seal)

Masaaki Hayama
Masaaki HAYAMA

WITNESSED:

Date: Jun 9, 1998

Masao Iwata

Date: Jun. 9, 1998

yuji yagi

Date: June 4, 1998
(Seal)

Tomitaro Murakami
Tomitarou MURAKAMI

WITNESSED:

Date: Jun 9, 1998

Masao Iwata

Date: Jun. 9, 1998

yuji yagi